

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET
(pursuant to NAC 445A.236)

Permittee Name: Three J's Inc.
51 Palmer Drive
Dayton, Nevada 89403

Permit Number: NEV2001501

Description of Discharge

Location: Dayton Valley Golf Course
51 Palmer Drive
Dayton, Lyon County, Nevada 89403
Latitude: 39°14'41"N.; Longitude: 119°33'57"W
Section 19, T. 16N, R. 22E. MDB&M

Characteristics: The Lyon County Utilities South Dayton Valley Wastewater Treatment Plant (SDVWWTP) will provide tertiary treated, denitrified disinfected effluent for reuse irrigation at the Dayton Valley 18-hole championship golf course. The effluent will be discharged into Pond 9, the lined irrigation storage lake, where it will be blended with supplemental groundwater before entering the irrigation system. Effluent gravities via pipe from Pond 9 to Pond 3, to Pond 1A-A2 and into the irrigation system and other ponds. Irrigation will be via spray irrigation of turf grass on the 150 acre golf course; a weather station will control the irrigation system. All reuse activities are to be conducted in accordance with the approved Effluent Management Plan and permit conditions.

Flow: The applicant has applied for 0.20 MGD 30-Day Average Flow and 0.30 MGD Daily Maximum Flow for seasonal discharge of reuse water. The reuse water will be combined with pumped groundwater in Pond 9 to meet actual irrigation demands. The permit requires the reuse water quantity to be monitored and reported. The maximum monthly flow is based upon the highest usage month determined from the consumptive use balance plus a 10% allowance, and in accordance with the approved Effluent Management Plan. The annual application volume is limited to 224 acre feet per year. Irrigation is seasonal, from March through November.

Fecal Coliform:

Fecal Coliform:* 2.2 Cfu/Mpn/100 ml 30 day average
23 Cfu/Mpn/100 ml daily max.

* Sample results are obtained from SDVWWTP (# NEV10017)

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General: *The applicant intends to reuse tertiary treated, denitrified, and disinfected reuse water provided by the SDVWWTP. The facility provides reclaimed water that meets Category C quality per NAC 445A.276, and is denitrified below 10 mg/l N.*

Receiving Water Characteristics: *Groundwater in the area is potable. Depth to groundwater in the area averages 75 feet. The eleven effluent storage lakes are lined, and are to be used for winter effluent storage. Effluent is denitrified, and no adverse effects are expected to occur as a result of this effluent reuse.*

Procedures for Public Comment:

*The Notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Nevada Appeal and Dayton Courier** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the publication of the public notice. All comments must be received by May 27, 2001. The comment period can be extended at the discretion of the Administrator.*

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator, or any interested agency, person, or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination

The Division has made the tentative determination to issue the proposed permit for a period of five (5) years.

Schedule of Compliance and Special Conditions

A final Effluent Management Plan (EMP) shall be submitted to the Division within 30 days of permit issuance.

Cross-Connection control documentation shall be submitted prior to effluent reuse.

There are no special conditions.

Rationale for Permit Requirements

Required parameters are monitored to ensure effluent reuse requirements are maintained per NAC 445A.275, 445A.276 and groundwaters of the State are protected.

*Prepared by: Icyl C. Mulligan
March 2001*